

CLAIMS FOR US - CA

1. Stator ring (1) ventilation assembly (2) composed of branched pipes comprising feed pipes (5),
5 distributors (4) and manifolds (3) adjacent to the ring
and provided with drillings (12) through which gas is
blown towards the ring, characterized in that the
manifolds are composed of pairs of half-shells (7, 8)
comprising an end plate (9) and a rim (10) surrounding
10 the end plate, the pairs of half-shells being attached
by the rims, the distributors comprise coils (15)
forming spacers between the manifolds and provided with
ends (16) arranged to be adjusted to openings (13) in
the side parts (14) of the end plates.

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2. Stator ring ventilation assembly according to
claim 1, characterized in that the half-shells are
provided with identical end plates, but the ribs can
have different widths.

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3. Stator ring ventilation assembly according to
claim 1, characterized in that it comprises V-notches
(21) in the ribs (11) in which the coils (15) fit and
are self-centered, (thus providing perfect radial and
25 tangential positioning of the distributors on the ring
(1) and orientation along the engine centerline.)

4. Stator ring ventilation assembly according to
claim 1, characterized in that on one of the coils, it
30 comprises plane surfaces (19) parallel to the manifolds
bearing on a rib (11) of the stator ring (1) and the

rib (11) is locally widened to reduce the axial clearance with the said coil to enable axial positioning of the distributors (4) on the ring (1).

5 5. Stator ring ventilation assembly according to claim 1, characterized in that it comprises manifold support rules (6) close to the stator ring covering the manifolds (3), crossing over them and fixed to the stator ring.

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6. Stator ring ventilation assembly according to claim 5, characterized in that the support rules are fixed to the stator ring through elastic connections to the stator ring.

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7. Stator ring ventilation assembly according to claim 6, characterized in that the support rules are fixed to the stator ring through connections (26, 27) enabling sliding displacement of the rules at the ends.

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